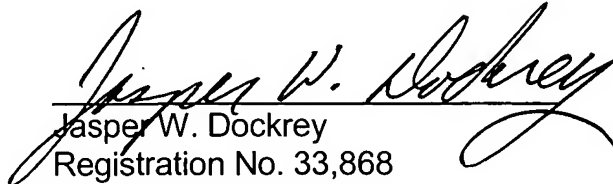


REMARKS

The applicants respectfully request entry of the amendment prior to commencing examination of the application.

Respectfully submitted,


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Amended Abstract

~~The invention concerns a~~ A device (100) for processing a signal (*i*) derived from a particular detector (1), ~~said the device comprising~~ including an integrator (2) for measuring the total charge transported by a an input signal (*i*₂) feeding ~~said the~~ integrator (2) for a predetermined time interval. ~~The invention is characterized in that said device further~~ includes ~~comprises~~ a plurality of units (4, 5) for receiving ~~the~~ detector signal (*i*) derived from ~~said the particle~~ detector (1), reducing the background noise present in the detector signal (*i*), and producing ~~said the input~~ signal (*i*₂). The invention is applicable to various devices and appliances for measuring flow of particles such as photons.